

**Commonwealth of Kentucky**  
**Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Sean Alteri

General Information

Name: Modern Welding Company  
Address: 303 Steel Drive, Elizabethtown, Kentucky 42701  
Date application received: December 15, 2000  
SIC/Source description: 3443  
AFS #: 21-093-00080  
Application log number: 53411  
Permit number: F-01-012

Application Type/Permit Activity

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input type="checkbox"/> Title V
<input type="checkbox"/> Minor	<input type="checkbox"/> Synthetic minor
<input type="checkbox"/> Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

Compliance Summary

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

Applicable Requirements list

<input checked="" type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other

Miscellaneous

☐ Acid rain source  
☐ Source subject to 112(r)  
☒ Source applied for federally enforceable emissions cap  
☐ Source provided terms for alternative operating scenarios  
☐ Source subject to a MACT standard  
☐ Source requested case-by-case 112(g) or (j) determination  
☐ Application proposes new control technology  
☐ Certified by responsible official  
☐ Diagrams or drawings included  
☐ Confidential business information (CBI) submitted in application  
☐ Pollution Prevention Measures  
☐ Area is non-attainment (list pollutants):

#### Emissions Summary

Pollutant	Actual (tpy)	Potential (tpy)
PM10	1.44	1.44
PM	1.44	1.44
VOC	11.1	99*
XYLENE (1330-20-7)	2.4	9.5*
*Self-imposed limits to preclude Title V		

#### Source Process Description:

Modern Welding Company of Elizabethtown fabricates metal storage tanks. Modern Welding purchases metal to form the storage tanks. The steel is formed and welded. After fabrication, the tanks are gritblasted and coated with paint or a fiberglass coating.

#### Emission and Operating Caps description:

1. Volatile organic compound (VOC) emissions shall not exceed 99 tons per year based on a 12 month rolling total for the entire source to preclude a major source Title V review.
2. Hazardous air pollutants (HAPs) emissions shall not exceed 9 tons per year individually and 24 tons per year combined based on a rolling 12 month total for the entire source to preclude a major source Title V review.
3. A mobile x-arm welding fume exhaust/filtration system must be in place when welding using welding material containing chromium and nickel takes place. This control is required as toxics RACT (reasonable available control technology) under 401 KAR 63:020, Potentially hazardous and toxic substances.